

TABULATION OF ANNUAL AND CUMULATIVE PRESENT VALUE COST DATA FOR SMITH CC SELF-BUILD OPTION

Attachment 1-1
Staffs 1st set of Interrogatories - No. 1
Docket No. 990325-EI

Year	Nominal \$1,000					Present Worth 1998 \$1,000					Accumulated Present Worth 1998 \$1,000				
	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total
2001	20,528	780	19,273	23,712	16,889	15,239	559	13,820	17,003	12,618	15,239	559	13,820	17,003	12,618
2002	33,228	1,377	35,918	44,891	25,829	22,898	909	23,699	29,821	17,885	37,937	1,468	37,520	46,824	30,301
2003	31,798	1,420	36,883	47,084	23,018	19,989	962	22,396	28,590	14,857	57,927	2,330	59,915	75,215	44,958
2004	30,445	1,463	37,042	48,873	20,277	17,612	818	20,898	27,197	11,930	75,539	3,148	80,813	102,412	58,888
2005	29,135	1,508	35,907	48,851	19,898	15,508	775	18,483	23,988	10,760	91,048	3,923	89,078	126,399	67,648
2006	27,865	1,554	32,485	42,758	19,128	13,650	735	15,381	20,232	9,515	104,898	4,658	114,437	146,831	77,163
2007	26,831	1,602	30,158	40,218	18,174	12,005	697	13,131	17,511	8,322	116,703	5,358	127,569	164,142	85,485
2008	25,432	1,651	28,424	38,433	17,074	10,550	661	11,389	15,398	7,201	127,252	6,017	138,957	179,541	92,686
2009	24,253	1,701	30,804	41,599	15,158	9,258	627	11,358	15,398	5,905	136,510	6,844	150,315	194,879	98,590
2010	23,077	1,753	33,343	45,135	13,038	8,106	595	11,313	15,314	4,700	144,616	7,239	161,828	210,193	103,290
2011	21,902	1,807	34,581	46,944	11,316	7,080	564	10,788	14,857	3,774	151,695	7,804	172,418	224,850	107,065
2012	20,729	1,882	35,227	46,982	9,457	6,166	535	10,294	14,067	2,927	157,881	8,339	182,709	238,917	109,992
2013	19,557	1,919	37,362	51,199	7,640	5,353	507	9,878	13,536	2,202	163,214	8,848	192,587	252,453	112,185
2014	18,387	1,978	38,816	53,314	5,867	4,631	481	9,444	12,971	1,585	167,948	9,327	202,031	265,424	113,790
2015	17,217	2,039	40,067	55,291	4,033	3,991	456	8,971	12,379	1,039	171,838	9,784	211,002	277,803	114,819
2016	16,050	2,101	41,394	57,431	2,113	3,423	433	8,528	11,832	552	175,260	10,217	219,530	289,636	115,371
2017	14,883	2,166	40,589	56,473	2,164	2,921	411	7,895	10,517	510	178,181	10,627	227,226	300,152	115,881
2018	13,718	2,232	38,635	52,099	2,388	2,478	389	8,723	9,089	501	180,658	11,017	233,948	309,241	116,381
2019	12,555	2,300	38,713	48,108	2,462	2,087	369	5,894	7,984	486	182,745	11,388	239,842	317,125	116,848
2020	11,393	2,371	37,782	50,448	1,998	1,742	350	5,582	7,463	222	184,488	11,738	245,423	324,578	117,069
2021	4,618	1,018	15,965	21,308	88	621	138	2,170	2,897	33	185,188	11,875	247,594	327,475	117,103

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TABULATION OF ANNUAL AND CUMULATIVE PRESENT VALUE COST DATA FOR SMITH CT SELF-BUILD OPTION

Attachment 1-2
 Staffs 1st set of Interrogatories - No. 1
 Docket No. 990325-EI

Year	Nominal \$1,000				Total	Present Worth 1998 \$1,000				Total	Accumulated Present Worth 1998 \$1,000				Total
	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings		Capital	Fixed O&M	Fuel + VO&M	Fuel Savings		Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	
2001	16,348	673	0	0	17,020	12,136	482	0	0	12,618	12,136	482	0	0	12,618
2002	26,041	1,188	0	0	27,229	17,790	784	0	0	18,574	29,926	1,267	0	0	31,192
2003	24,886	1,225	0	0	26,110	15,644	744	0	0	16,388	45,570	2,010	0	0	47,580
2004	23,905	1,262	0	0	25,167	13,828	705	0	0	14,534	59,398	2,716	0	0	62,114
2005	22,957	1,301	0	0	24,258	12,221	669	0	0	12,890	71,819	3,385	0	0	75,003
2006	22,041	1,341	0	0	23,382	10,797	634	0	0	11,431	82,416	4,019	0	0	86,435
2007	21,153	1,382	0	0	22,535	8,535	602	0	0	10,137	91,951	4,621	0	0	96,572
2008	20,293	1,424	0	0	21,717	6,418	571	0	0	6,988	100,369	5,191	0	0	105,560
2009	19,449	1,468	0	0	20,917	7,424	541	0	0	7,965	107,793	5,732	0	0	113,525
2010	18,609	1,513	0	0	20,121	6,536	513	0	0	7,050	114,330	6,246	0	0	120,575
2011	17,770	1,559	549	551	19,328	6,744	487	172	172	6,230	120,074	6,732	179	172	126,006
2012	16,935	1,607	679	605	18,518	6,037	462	166	174	5,491	125,111	7,194	338	346	132,297
2013	16,101	1,656	802	623	17,736	4,407	438	159	185	4,839	129,516	7,632	497	511	137,136
2014	15,270	1,707	826	643	18,960	3,846	416	152	158	4,257	133,364	8,047	650	667	141,394
2015	14,441	1,759	881	662	18,196	3,347	394	146	148	3,741	138,711	8,441	797	815	145,134
2016	13,814	1,813	0	0	15,427	2,904	373	0	0	3,277	139,615	8,814	797	815	148,412
2017	12,790	1,868	0	0	14,659	2,510	354	0	0	2,865	142,125	9,169	797	815	151,278
2018	11,969	1,926	0	0	13,895	2,162	336	0	0	2,498	144,287	9,505	797	815	153,774
2019	11,151	1,984	0	0	13,135	1,853	319	0	0	2,172	148,140	9,823	797	815	155,946
2020	10,335	2,045	0	0	12,380	1,581	302	0	0	1,883	147,721	10,125	797	815	157,829
2021	4,081	678	0	0	4,759	574	119	0	0	694	148,296	10,245	797	815	159,329

TABULATION OF ANNUAL AND CUMULATIVE PRESENT VALUE COST DATA FOR DANIEL CC SELF-BUILD OPTION

Attachment 1-3
Staffs 1st set of Interrogatories - No.
Docket No. 990325-EI

Year	Nominal \$1,000					Present Worth 1998 \$1,000					Accumulated Present Worth 1998 \$1,000				
	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VO&M	Fuel Savings	Total
2001	36,048	324	20,004	25,718	30,661	26,781	233	14,344	18,440	22,698	26,781	233	14,344	18,440	22,698
2002	56,095	573	34,481	45,698	45,453	38,321	378	22,753	30,153	31,298	65,082	611	37,097	48,593	54,198
2003	53,885	591	34,620	47,084	42,011	33,874	359	21,022	28,590	28,664	96,955	970	68,118	77,183	80,860
2004	51,914	609	34,763	48,673	38,812	30,031	340	19,424	27,197	22,598	128,987	1,310	77,543	104,380	103,459
2005	50,013	627	37,345	50,308	37,680	26,824	323	19,202	25,867	20,282	155,610	1,632	96,745	130,247	123,740
2006	48,179	647	35,061	47,706	36,182	23,601	306	18,590	22,573	17,924	179,211	1,938	113,335	152,820	141,665
2007	48,407	667	31,733	43,998	34,809	20,919	290	13,817	19,158	15,869	200,131	2,229	127,152	171,977	157,534
2008	44,693	687	29,567	41,734	33,213	18,539	275	11,847	16,722	13,940	218,670	2,504	136,999	188,699	171,473
2009	43,014	706	32,197	45,214	30,706	16,419	261	11,871	16,671	11,881	235,089	2,785	150,870	205,370	183,354
2010	41,348	730	33,921	47,908	28,090	14,523	248	11,509	16,255	10,028	249,613	3,012	162,340	221,625	193,380
2011	39,685	752	34,937	49,556	25,619	12,828	235	10,908	15,472	8,498	262,440	3,247	173,288	237,097	201,878
2012	38,031	775	35,806	51,186	23,428	11,312	223	10,288	14,707	7,116	273,753	3,470	183,575	251,804	209,894
2013	36,384	799	37,246	53,338	21,090	9,859	211	9,847	14,102	5,915	283,712	3,681	193,423	265,906	214,810
2014	34,745	823	38,468	55,279	18,757	8,751	200	9,359	13,449	4,862	292,463	3,881	202,782	279,356	219,771
2015	33,113	848	40,279	57,869	16,371	7,675	190	9,018	12,958	3,827	300,138	4,071	211,800	292,311	223,688
2016	31,489	874	41,708	60,096	13,975	6,716	180	8,593	12,381	3,108	308,854	4,251	220,383	304,682	226,306
2017	29,873	901	41,330	58,580	13,544	5,863	171	7,838	11,102	2,768	312,718	4,422	228,228	315,794	229,674
2018	28,266	929	38,712	54,552	13,354	5,105	162	6,754	9,517	2,504	317,823	4,584	234,882	325,911	232,578
2019	26,867	967	37,784	52,409	12,980	4,432	154	6,083	8,414	2,235	322,255	4,738	241,045	333,725	234,973
2020	25,078	988	38,596	53,543	11,117	3,836	146	5,702	7,910	1,773	328,091	4,884	246,746	341,835	236,088
2021	10,027	424	18,510	22,861	4,088	1,431	58	2,244	3,188	605	327,882	4,941	248,981	344,743	236,881

TABULATION OF ANNUAL AND CUMULATIVE PRESENT VALUE COST DATA FOR MULAT TOWER COGEN SELF-BUILD OPTION

Attachment 1-4
 Staffs 1st set of Interrogatories - No.
 Docket No. 990325-EI

Year	Nominal \$1,000					Present Worth 1998 \$1,000					Accumulated Present Worth 1998 \$1,000				
	Capital	Fixed O&M	Fuel + VQ&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VQ&M	Fuel Savings	Total	Capital	Fixed O&M	Fuel + VQ&M	Fuel Savings	Total
2001	28,867	5,180	20,851	25,750	29,148	21,430	3,715	14,952	18,485	21,632	21,430	3,715	14,952	18,465	21,632
2002	44,679	8,904	35,856	45,898	43,743	30,522	5,875	23,660	30,153	29,904	51,952	9,590	38,612	46,618	51,538
2003	42,940	6,928	35,989	47,084	40,753	28,994	5,421	21,841	26,590	25,666	78,945	15,012	60,452	77,208	77,202
2004	41,404	6,953	36,086	48,873	37,770	23,952	5,003	20,184	27,197	21,821	102,897	20,014	80,616	104,405	99,123
2005	39,825	6,979	36,602	50,308	37,199	21,253	4,617	19,649	25,687	19,852	124,150	24,631	100,465	130,272	118,674
2006	38,498	9,006	40,713	52,102	36,115	18,859	4,281	19,284	24,853	17,731	143,009	28,892	119,729	154,925	136,705
2007	37,121	9,033	39,869	51,054	34,968	16,733	3,933	17,359	22,230	15,798	159,742	32,825	137,068	177,154	152,501
2008	35,790	9,061	36,347	47,235	33,984	14,848	3,831	14,563	18,826	14,114	174,588	36,458	151,852	196,080	166,615
2009	34,488	9,090	39,099	50,984	31,893	13,165	3,352	14,418	18,798	12,134	187,753	39,808	166,068	214,879	178,750
2010	33,194	9,120	40,850	53,738	29,427	11,660	3,094	13,860	18,233	10,382	199,413	42,902	179,828	233,111	189,131
2011	31,907	9,151	41,853	55,185	27,548	10,314	2,857	13,005	17,224	8,952	209,726	45,759	192,933	250,335	199,083
2012	30,626	9,183	42,595	56,877	25,527	9,110	2,638	12,238	16,341	7,645	218,836	48,397	205,171	266,677	205,728
2013	29,351	9,215	44,385	59,420	23,531	8,034	2,438	11,735	15,710	6,495	228,869	50,834	216,906	282,367	212,223
2014	28,082	9,249	45,806	61,609	21,528	7,073	2,250	11,144	14,989	5,479	239,943	53,084	228,051	297,378	217,702
2015	26,821	9,284	47,036	63,651	19,490	6,217	2,079	10,531	14,251	4,575	240,159	55,163	238,581	311,827	222,277
2016	25,568	9,320	48,734	66,194	17,425	5,453	1,920	10,040	13,638	3,778	245,813	57,063	248,622	325,264	226,053
2017	24,319	9,357	48,469	62,784	17,380	4,773	1,774	8,610	11,903	3,454	250,386	66,857	257,431	337,167	229,506
2018	23,078	9,386	45,486	60,527	17,403	4,168	1,639	7,930	10,560	3,178	254,554	60,496	265,382	347,727	232,885
2019	21,848	9,434	43,676	57,347	17,609	3,831	1,515	7,012	9,207	2,951	258,185	62,010	272,374	356,933	235,838
2020	20,621	9,474	43,820	57,842	16,174	3,154	1,400	6,486	8,545	2,497	261,339	63,410	278,882	365,478	238,132
2021	8,271	3,985	18,875	24,688	8,287	1,184	539	2,588	3,375	894	262,503	63,949	281,428	368,853	239,287

SBO Smith Unit 3 (with #3 Fuel Supply)																
Proposal Size (MW)	Pipeline Size (MW)				Base Case Size (MW)		Disc. Rate					8.47%				
Year	Capacity Costs (\$/kw-Yr)	Fixed O&M (\$/kw-Yr)	Fixed Fuel Charges (\$/kw-Yr)	Pipeline Cost (\$/kw-Yr)	Total Fixed Costs (\$/kw-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/KW-Yr)	Total Cost (\$/KW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/KW-Yr)	Generation Total Cost Accum. PV (\$/KW-Yr)	Transm. Grid & Conn. Accum. PV (\$/KW-Yr)	Transm. Losses Accum. PV (\$/KW-Yr)	Transm. Total Cost Accum. PV (\$/KW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/KW-Yr)
2002	48.00	4.48	19.11	0	68.80	2,887,357	2,863,388	39.95	28.65	1	28.65	28.65	0.00	(18.20)	-18.20	12.44
2003	74.00	4.81	32.77	0	111.38	3,059,838	3,031,799	48.39	64.98	0.9220	59.91	88.58	0.00	(31.51)	-31.51	57.05
2004	77.00	4.75	32.77	0	108.51	3,234,907	3,205,443	49.11	66.41	0.8500	60.50	139.08	0.00	(48.55)	-48.55	92.51
2005	87.00	4.88	32.77	0	104.85	3,542,591	3,515,185	45.68	58.97	0.7837	48.22	185.28	0.00	(80.95)	-80.95	124.32
2006	84.00	5.02	32.77	0	101.79	3,738,844	3,711,967	41.10	60.70	0.7225	43.86	229.13	0.00	(74.71)	-74.71	154.42
2007	81.00	5.17	32.77	0	98.84	3,997,015	3,967,313	49.50	49.43	0.6661	32.93	282.08	0.00	(88.58)	-88.58	175.47
2008	58.00	5.32	32.77	0	66.08	4,242,135	4,210,037	53.50	42.50	0.6141	28.15	288.21	0.00	(98.44)	-98.44	191.77
2009	54.00	5.47	32.77	0	62.24	4,498,493	4,466,263	63.72	36.82	0.5662	21.81	310.02	0.00	(103.33)	-103.33	208.69
2010	51.00	5.63	32.77	0	59.39	4,520,869	4,487,815	55.42	33.97	0.5220	17.73	327.78	0.00	(107.62)	-107.62	220.14
2011	45.00	5.78	32.77	0	56.56	4,702,102	4,667,769	57.22	29.34	0.4813	14.12	341.87	0.00	(109.62)	-109.62	232.26
2012	45.00	5.96	32.77	0	63.72	4,997,471	4,962,738	57.89	25.84	0.4437	11.46	353.34	0.00	(109.62)	-109.62	243.72
2013	42.00	6.13	32.77	0	60.90	5,300,868	5,265,948	58.20	22.70	0.4091	9.28	362.62	0.00	(109.62)	-109.62	253.01
2014	39.00	6.30	32.77	0	78.07	5,612,784	5,581,478	52.18	20.86	0.3772	8.77	372.39	0.00	(109.62)	-109.62	262.77
2015	36.00	6.49	32.77	0	75.25	5,970,733	5,935,770	58.27	18.86	0.3477	6.91	378.29	0.00	(109.62)	-109.62	268.68
2016	33.00	6.67	32.77	0	72.44	6,341,677	6,304,990	61.15	11.28	0.3208	3.82	381.91	0.00	(109.62)	-109.62	272.30
2017	30.00	6.87	32.77	0	69.63	7,023,105	6,986,747	60.60	9.04	0.2958	2.87	384.58	0.00	(109.62)	-109.62	274.97
2018	28.00	7.08	32.77	0	67.63	7,571,537	7,537,255	57.14	16.89	0.2725	2.91	387.50	0.00	(109.62)	-109.62	277.88
2019	28.00	7.27	32.77	0	68.03	8,247,368	8,215,505	53.10	12.83	0.2512	3.25	390.75	0.00	(109.62)	-109.62	281.13
2020	24.00	7.48	32.77	0	64.24	8,859,275	8,825,582	58.18	8.08	0.2318	1.87	382.82	0.00	(109.62)	-109.62	283.00
2021	22.00	7.68	32.77	0	62.46	9,707,975	9,674,302	66.12	6.24	0.2125	1.25	383.97	0.00	(109.62)	-109.62	284.38
2022	19.00	7.91	13.65	0	39.57	10,449,897	10,415,298	57.91	-28.45	0.1989	-5.91	388.77	0.00	(109.62)	-109.62	278.15

HR @ max (MBTU/MWh)	N Fuel (\$/MBTU)	Dispatch (\$/M)
2.06	2.17	1.12
2.13	2.17	1.10
2.19	2.17	1.08
2.25	2.35	1.06
2.31	2.51	1.04
2.43	2.67	1.02
2.51	2.85	1.00
2.58	2.90	0.98
2.67	2.97	0.96
2.75	3.05	0.94
2.82	3.12	0.92
2.91	3.20	0.90
2.99	3.28	0.88
3.07	3.36	0.86
3.17	3.62	0.84
3.25	3.90	0.82
3.34	4.20	0.80
3.45	4.35	0.78
3.54	4.51	0.76
3.65	4.84	0.74

Respondent A												
Proposal Size (MW)	Base Case Size (MW)		Disc. Rate									
351.5	800		8.47%									
Year	Capacity Costs (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	38.42	2,887,357	2,869,499	29.78	8.86	1	8.86	8.86	37.69	(11.84)	25.85	34.51
2003	87.84	3,059,638	3,042,551	28.47	39.38	0.8220	36.29	44.85	71.28	(23.02)	48.26	83.21
2004	89.87	3,224,907	3,217,114	28.66	40.22	0.8500	34.18	79.13	102.05	(34.02)	68.03	147.16
2005	71.97	3,542,591	3,528,309	27.14	44.83	0.7837	35.13	114.27	127.69	(44.57)	83.12	197.39
2006	74.13	3,736,844	3,723,088	22.80	51.53	0.7225	37.23	151.50	153.08	(54.68)	98.39	248.90
2007	78.35	3,997,015	3,978,524	30.82	45.53	0.6681	30.33	181.83	174.10	(63.44)	110.67	292.50
2008	78.84	4,242,135	4,222,519	32.88	45.96	0.6141	28.22	210.05	191.54	(70.99)	120.55	330.91
2009	81.00	4,498,493	4,478,971	35.87	45.13	0.5662	25.55	235.61	192.56	(75.75)	116.81	352.42
2010	83.43	4,520,899	4,498,724	36.91	48.52	0.5220	24.29	259.89	186.48	(78.90)	107.58	369.45
2011	85.94	4,702,102	4,679,843	37.10	48.84	0.4813	23.50	283.40	186.41	(80.37)	106.04	389.44
2012	88.51	4,967,471	4,974,259	36.69	49.83	0.4437	22.11	305.51	184.62	(80.37)	104.25	409.75
2013	91.17	5,300,868	5,277,409	38.10	52.07	0.4091	21.30	328.81	183.33	(80.37)	102.96	429.77
2014	93.90	5,612,784	5,591,894	34.82	59.08	0.3772	22.29	349.08	182.92	(80.37)	102.45	451.54
2015	96.72	5,970,733	5,948,642	38.82	58.96	0.3477	20.83	369.82	180.28	(80.37)	99.89	469.81
2016	99.62	6,341,677	6,318,930	37.83	61.88	0.3208	19.73	389.70	178.97	(80.37)	98.60	488.31
2017	102.81	7,023,105	6,998,748	40.59	62.02	0.2956	18.33	408.03	178.72	(80.37)	98.35	508.38
2018	105.89	7,571,537	7,548,000	38.23	66.48	0.2725	18.11	428.14	174.62	(80.37)	94.25	520.30
2019	108.88	8,247,368	8,224,042	38.87	69.99	0.2512	17.58	443.73	174.67	(80.37)	94.50	538.23
2020	112.13	8,859,275	8,836,370	38.18	73.95	0.2318	17.13	460.86	173.85	(80.37)	93.48	554.33
2021	115.49	9,707,975	9,683,562	40.69	74.80	0.2135	15.97	476.83	171.79	(80.37)	91.42	568.25
2022	59.48	10,449,507	10,488,187	-81.10	120.58	0.1889	23.74	890.87	171.79	(80.37)	91.42	581.99

HR @ max (MBTU/MWh)	7.1	MW →				
Santa Rosa VOM (\$/MWh)	Mobile VOM	Fuel (\$/MBTU)	194.3 Santa Rosa Dispatch Price (\$/MWh)	157.2 Mobile Dispatch Price (\$/MWh)	351 Average Dispatch Price (\$/MWh)	
2.300	2.720	2.44	19.85	20.87	20.18	
2.369	2.802	2.44	19.72	20.18	19.88	
2.440	2.886	2.44	19.78	20.24	19.88	
2.513	2.972	2.63	21.17	21.63	20.88	
2.589	3.081	2.79	22.32	22.80	21.88	
2.748	3.248	3.11	24.86	25.38	22.88	
2.829	3.345	3.14	25.14	25.65	23.88	
2.914	3.448	3.17	25.43	25.88	24.88	
3.001	3.549	3.24	26.62	26.57	25.88	
3.081	3.655	3.32	28.84	27.26	26.88	
3.184	3.765	3.39	27.27	27.85	27.88	
3.279	3.878	3.47	27.92	28.51	28.88	
3.378	3.994	3.55	28.58	29.20	29.88	
3.478	4.114	3.63	29.28	29.89	30.88	
3.583	4.238	3.90	31.25	31.90	31.88	
3.691	4.365	4.17	33.31	33.69	32.88	
3.802	4.496	4.47	35.51	36.21	33.88	
3.918	4.631	4.62	38.69	37.41	34.88	
4.033	4.770	4.77	37.91	38.65	35.88	
4.154	4.913	4.92	39.85	39.81	36.88	

Capital Cost was supplied in \$/kW-month.
 Two sites were Proposed - 177 MW and 212 MW for a total of 389 MW, but have summer capacities of 187.2 and 194.3 MW
 Capital costs for both sites were multiplied by their respective MW's and then divided by the total MW's
 Year 2002 capital cost is for 7 months
 Year 2012 capital cost is for 8 months

Respondent B CC (7 Year Pricing)														
Proposal Size (MW)	Base Case Size (MW)		Disc. Rate 8.47%											
	500	600												
Year	Capacity Costs (\$/kW-Yr)	Fixed Fuel Transp. (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	645.64	Generations Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Cons. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	35.85	18.40	2,867,357	2,867,958	32.33	22.01	1	22.01	22.01	10.00	(15.57)	-5.57	18.44	
2003	63.33	31.54	3,058,838	3,038,545	33.48	61.30	0.9220	58.60	78.61	20.00	(30.27)	-10.27	68.34	
2004	64.88	31.54	3,234,907	3,213,924	34.97	61.46	0.8500	52.23	130.84	28.00	(44.71)	-16.71	114.13	
2005	66.45	31.54	3,542,581	3,523,133	32.43	66.66	0.7837	51.38	182.22	34.00	(58.55)	-24.55	167.67	
2006	66.15	31.54	3,738,644	3,720,243	27.34	72.36	0.7225	52.27	234.48	42.00	(71.75)	-29.75	204.74	
2007	68.90	31.54	3,987,015	3,975,288	36.24	66.19	0.6681	43.42	277.88	48.00	(83.16)	-35.16	242.78	
2008	71.54	31.54	4,242,135	4,218,780	42.29	68.68	0.6141	37.38	318.21	52.00	(92.62)	-40.62	274.68	
2009	30.88	13.14	4,498,493	4,522,735	-40.40	84.23	0.5682	47.88	363.08	58.00	(98.24)	-41.24	321.78	
2010			4,620,868	4,545,548	-41.13	41.13	0.5220	21.47	384.47	80.00	(103.38)	-43.38	341.11	
2011			4,702,102	4,727,151	-41.75	41.75	0.4813	20.09	404.88	84.00	(105.28)	-41.28	363.28	
2012			4,997,471	5,021,682	-40.35	48.35	0.4437	17.90	422.47	88.00	(105.28)	-37.28	385.18	
2013			5,300,868	5,325,037	-40.28	48.28	0.4091	18.48	438.86	70.00	(105.28)	-35.28	403.88	
2014			5,612,784	5,638,132	-43.81	43.81	0.3772	16.54	465.81	74.00	(105.28)	-31.28	424.22	
2015			5,970,733	5,986,351	-41.03	41.03	0.3477	14.27	488.78	78.00	(105.28)	-29.28	446.48	
2016			6,341,677	6,368,726	-41.75	41.78	0.3208	13.38	483.16	78.00	(105.28)	-29.28	463.88	
2017			7,021,105	7,046,641	-38.23	38.23	0.2958	11.58	494.78	80.00	(105.28)	-25.28	488.47	
2018			7,571,637	7,597,414	-43.13	43.13	0.2725	11.75	508.81	80.00	(105.28)	-25.28	481.22	
2019			8,247,366	8,273,585	-43.70	43.78	0.2512	10.98	517.48	82.00	(105.28)	-23.28	494.38	
2020			8,958,275	8,984,251	-41.83	41.83	0.2316	9.64	527.13	82.00	(105.28)	-23.28	503.84	
2021			9,707,975	9,734,812	-44.73	44.73	0.2135	8.55	536.88	82.00	(105.28)	-23.28	513.38	
2022			10,449,507	10,475,817	-45.52	45.52	0.1988	8.09	546.64	82.00	(105.28)	-23.28	523.38	

HR @ max 8.783		
Fuel Volatility (\$/MWh)	H Fuel (\$/MBTU)	Dispatch Price (\$/MWh)
4.000	2.31	18.85
4.058	2.51	18.71
4.158	2.31	18.81
4.264	2.48	18.18
4.374	2.85	22.93
4.484	2.81	23.87
4.584	2.98	24.89
4.640	3.82	25.11

Capital Cost was supplied in \$/kW-month.

The Proposal supplied monthly unit ratings with maximum summer rating of 500 MW; We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating.

Year 2002 capital cost is for 7 months
Year 2008 capital cost is for 5 months

We used the heat rates supplied by Respondent B;
Avg. Heat Rate @ Max 8,783
Avg. Heat Rate @ Min 8,021

No maintenance schedule supplied.

Availability 95% (Supplied value)
Forced Outage Rate 2% (Supplied value)
Scheduled Maintenance 3% 11 days in April; 3 weeks every sixth year

Added Fixed Fuel Transportation Charge \$16,768,000 per year

Respondent B CG (10 Year Pricing)														
Proposal Size (MW)	500		Base Case		600		Disc. Rate 8.47%							
Year	Capacity Costs (\$/kW-Yr)	Fixed Fuel Transp. (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	MPV of Total Gen. Cost (\$/kW-Yr)	8.47%	Generation Total Coal Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	33.07	14.40	2,887,357	2,867,015	33.90	17.57	1	17.57	17.57	10.00	(15.57)	-5.57	11.99	
2003	58.23	31.54	3,058,838	3,037,571	36.77	53.00	0.9220	48.86	66.43	20.00	(30.27)	-10.27	56.15	
2004	59.88	31.54	3,234,907	3,211,496	39.01	52.21	0.8500	44.38	110.81	28.00	(44.71)	-16.71	94.09	
2005	61.18	31.54	3,542,581	3,521,288	36.54	57.18	0.7837	44.81	156.62	34.00	(58.55)	-24.55	131.07	
2006	62.71	31.54	3,738,844	3,718,148	29.18	65.09	0.7225	47.03	202.84	42.00	(71.76)	-29.76	172.08	
2007	64.28	31.54	3,997,015	3,973,255	36.80	58.22	0.6681	37.45	240.99	48.00	(83.16)	-35.16	204.83	
2008	66.88	31.54	4,242,138	4,215,970	43.61	53.82	0.6141	33.05	273.14	52.00	(92.62)	-40.62	232.52	
2009	67.53	31.54	4,488,493	4,468,896	47.48	51.58	0.5682	29.20	302.34	58.00	(99.24)	-41.24	261.10	
2010	69.22	31.54	4,520,888	4,491,815	48.42	52.34	0.5220	27.32	328.99	60.00	(103.36)	-43.36	286.30	
2011	70.95	31.54	4,702,102	4,674,087	48.88	58.80	0.4815	26.85	358.52	64.00	(105.28)	-41.28	315.23	
2012	30.38	13.14	4,897,471	5,022,848	-42.50	66.83	0.4437	38.00	384.80	68.00	(105.28)	-37.28	357.31	
2013			5,300,968	5,327,148	-43.80	43.80	0.4081	17.82	412.51	70.00	(105.28)	-35.28	377.23	
2014			5,812,784	5,841,242	-47.43	47.43	0.3772	17.88	430.48	74.00	(105.28)	-31.28	398.12	
2015			5,970,733	5,997,481	-44.55	44.55	0.3477	13.48	445.98	78.00	(105.28)	-29.28	418.61	
2016			6,341,877	6,369,836	-45.28	48.28	0.3208	14.51	460.40	78.00	(105.28)	-29.28	431.12	
2017			7,021,105	7,048,751	-42.74	42.74	0.2958	12.83	473.04	80.00	(105.28)	-25.28	447.75	
2018			7,571,537	7,599,524	-46.84	46.84	0.2725	12.71	485.75	80.00	(105.28)	-25.28	460.48	
2019			8,247,364	8,275,895	-47.22	47.22	0.2512	11.88	497.81	82.00	(105.28)	-23.28	474.33	
2020			8,859,275	8,888,381	-45.14	45.14	0.2318	10.48	508.07	82.00	(105.28)	-23.28	484.79	
2021			8,707,875	8,736,922	-48.24	48.24	0.2135	10.30	518.37	82.00	(105.28)	-23.28	495.08	
2022			10,448,507	10,478,927	-48.03	48.03	0.1988	9.65	528.82	82.00	(105.28)	-23.28	504.74	

HR @ max (MBTU/AMH)	N Fuel (\$/MBTU)	Dispatch Price (\$/MWh)
3.50	2.31	18.15
3.56	2.31	18.21
3.64	2.31	18.30
3.73	2.48	20.83
3.82	2.45	21.78
3.92	2.81	23.81
4.02	2.88	24.31
4.12	3.02	24.41
4.22	3.05	24.57
4.32	3.18	25.48
4.43	3.29	25.11

Capital Cost was supplied in \$/kW-month -
 The Proposal supplied monthly unit ratings with maximum summer rating of 600 MW;
 We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating

Year 2002 capital cost is for 7 months
 Year 2012 capital cost is for 5 months

We used the heat rates supplied by Respondent B:
 Avg. Heat Rate @ Max 6,753
 Avg. Heat Rate @ Min 8,021

No maintenance schedule supplied -

Availability	95%	(Supplied value)
Forced Outage Rate	2%	(Supplied value)
Scheduled Maintenance	3%	11 days in April, 3 weeks every sixth year

Added Fixed Fuel Transportation Charge \$18,788,000 per year

Respondent B CC (20 Year Pricing)													
Proposed Size (MW)	Base Case Size (MW)		Disc. Rate 8.47%										
Year	Capacity Costs (\$/kW-Yr)	Fixed Fuel Transp. (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposed Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Cons. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	33.07	18.40	2,887,357	2,887,015	33.90	17.57	1	675.60	17.57	10.00	(15.57)	-5.57	553.31
2003	58.23	31.54	3,056,836	3,037,555	36.80	52.97	0.8220	48.84	66.40	20.00	(30.27)	-10.27	65.13
2004	59.88	31.54	3,234,907	3,211,504	38.00	52.22	0.8500	44.38	110.78	28.00	(44.71)	-16.71	84.08
2005	61.18	31.54	3,542,881	3,521,253	39.58	57.16	0.7897	44.78	155.58	34.00	(58.55)	-24.55	131.04
2006	62.71	31.54	3,738,844	3,718,138	29.18	55.07	0.7225	47.01	202.80	42.00	(71.75)	-29.75	172.84
2007	84.28	31.54	3,897,045	3,875,252	38.80	59.21	0.6681	37.44	240.04	48.00	(83.16)	-35.16	204.88
2008	65.88	31.54	4,242,136	4,215,858	43.81	53.81	0.8141	33.05	273.08	52.00	(92.62)	-40.62	232.47
2009	67.63	31.54	4,498,493	4,468,884	47.50	51.67	0.5682	29.20	302.28	58.00	(98.24)	-40.24	261.05
2010	69.22	31.54	4,520,899	4,491,798	48.46	52.30	0.5220	27.30	329.88	60.00	(103.36)	-43.36	286.23
2011	70.95	31.54	4,702,102	4,674,080	48.70	55.79	0.4813	26.85	356.44	64.00	(105.28)	-41.28	315.56
2012	72.74	31.54	4,997,471	4,968,047	47.37	58.90	0.4437	25.25	381.88	68.00	(105.28)	-37.28	344.41
2013	74.58	31.54	5,300,868	5,271,678	48.31	57.81	0.4091	23.95	405.34	70.00	(105.28)	-35.28	370.05
2014	76.46	31.54	5,612,784	5,586,273	44.18	61.01	0.3772	24.07	428.40	74.00	(105.28)	-31.28	396.12
2015	78.33	31.54	5,970,733	5,944,188	44.24	65.82	0.3477	22.82	452.22	78.00	(105.28)	-28.28	422.84
2016	80.27	31.54	6,341,677	6,312,864	48.02	63.79	0.3208	20.45	472.67	80.00	(105.28)	-25.28	443.38
2017	82.27	31.54	7,023,105	6,991,177	53.21	60.59	0.2958	17.91	490.88	80.00	(105.28)	-25.28	465.30
2018	84.34	31.54	7,571,537	7,539,560	53.30	62.59	0.2725	17.05	507.83	80.00	(105.28)	-25.28	482.35
2019	86.46	31.54	8,247,388	8,217,585	49.83	68.38	0.2512	17.17	524.81	82.00	(105.28)	-23.28	501.63
2020	88.58	31.54	8,858,275	8,827,748	52.55	67.57	0.2318	15.85	540.48	82.00	(105.28)	-23.28	517.18
2021	90.78	31.54	9,707,875	9,676,288	52.81	69.50	0.2135	14.84	555.30	82.00	(105.28)	-23.28	532.02
2022	38.68	12.14	10,449,507	10,483,187	-56.13	108.18	0.1988	21.28	578.80	82.00	(105.28)	-23.28	543.31

HR @ max (MBTU/MWh)	N Fuel (\$/MBTU)	Dispatch Price (\$/MWh)
3.50	2.91	19.15
3.55	2.91	19.21
3.60	2.91	19.28
3.65	2.91	19.35
3.70	2.91	19.42
3.75	2.91	19.49
3.80	2.91	19.56
3.85	2.91	19.63
3.90	2.91	19.70
3.95	2.91	19.77
4.00	2.91	19.84
4.05	2.91	19.91
4.10	2.91	19.98
4.15	2.91	20.05
4.20	2.91	20.12
4.25	2.91	20.19
4.30	2.91	20.26
4.35	2.91	20.33
4.40	2.91	20.40
4.45	2.91	20.47
4.50	2.91	20.54
4.55	2.91	20.61
4.60	2.91	20.68
4.65	2.91	20.75
4.70	2.91	20.82
4.75	2.91	20.89
4.80	2.91	20.96
4.85	2.91	21.03
4.90	2.91	21.10
4.95	2.91	21.17
5.00	2.91	21.24

Capital Cost was supplied in \$/kW-month.

The Proposal supplied monthly unit ratings with maximum summer rating of 500 MW;
We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating

Year 2002 capital cost is for 7 months
Year 2022 capital cost is for 6 months

We used heat rate supplied by Respondent B:
Avg. Heat Rate @ Max 6,783
Avg. Heat Rate @ Min 8,021

No maintenance schedule supplied:
Availability 95% (Supplied value)
Forced Outage Rate 2% (Supplied value)
Scheduled Maintenance 3% 11 days in April, 3 weeks every sixth year

Added Fixed Fuel Transportation Charge \$13,798,000 per year

Respondent B CT Proposal (7 Year Pricing)												
Proposal Size (MW)	486	Base Case Size (MW)	600	Disc. Rate 8.47%								
Year	Capacity Costs (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
							467.84					539.17
2002	27.73	2,887,357	2,987,940	-0.97	28.71	1	28.71	28.71	10.00	(1.65)	8.35	37.06
2003	48.72	3,058,636	3,060,898	-2.10	50.83	0.9220	46.86	75.57	20.00	(3.19)	16.81	92.37
2004	49.60	3,234,907	3,234,483	0.71	49.90	0.8500	41.56	117.13	26.00	(4.67)	23.33	140.46
2005	48.51	3,542,591	3,541,644	1.68	46.94	0.7837	36.78	153.91	34.00	(6.08)	27.92	181.83
2006	51.35	3,736,644	3,735,788	1.43	49.83	0.7225	36.07	189.98	42.00	(7.38)	34.62	224.61
2007	52.23	3,987,015	3,984,674	3.90	48.33	0.6861	32.19	222.18	48.00	(8.48)	39.52	261.70
2008	53.11	4,242,135	4,240,166	3.28	49.83	0.6141	30.60	252.78	52.00	(8.40)	42.60	295.37
2009	22.72	4,498,493	4,523,451	-41.80	84.32	0.5682	36.42	289.19	58.00	(10.06)	47.94	337.13
2010		4,520,869	4,545,000	-40.22	40.22	0.5220	20.89	310.19	60.00	(10.48)	49.52	359.71
2011		4,702,102	4,726,802	-40.83	40.83	0.4813	19.85	329.84	64.00	(10.67)	53.33	383.17
2012		4,997,471	5,021,133	-38.44	39.44	0.4437	17.50	347.34	68.00	(10.67)	57.33	404.67
2013		5,300,868	5,324,487	-39.37	39.37	0.4091	16.10	363.44	70.00	(10.67)	59.33	422.77
2014		5,612,784	5,638,583	-43.00	43.00	0.3772	18.22	379.66	74.00	(10.67)	63.33	442.99
2015		5,970,733	5,994,803	-40.12	40.12	0.3477	13.95	393.61	78.00	(10.67)	65.33	458.94
2016		6,341,877	6,366,177	-40.83	40.83	0.3206	13.09	406.70	78.00	(10.67)	65.33	472.03
2017		7,023,105	7,046,092	-38.31	38.31	0.2868	11.32	418.02	80.00	(10.67)	66.33	487.35
2018		7,571,537	7,596,865	-42.21	42.21	0.2725	11.50	429.53	80.00	(10.67)	66.33	498.85
2019		8,247,366	8,273,036	-42.78	42.78	0.2512	10.75	440.28	82.00	(10.67)	71.33	511.60
2020		8,859,275	8,883,702	-40.71	40.71	0.2316	9.43	449.71	82.00	(10.67)	71.33	521.03
2021		9,707,975	9,734,283	-43.81	43.81	0.2135	8.36	459.06	82.00	(10.67)	71.33	530.39
2022		10,449,507	10,478,288	-44.80	44.80	0.1988	7.71	467.84	82.00	(10.67)	71.33	539.17

HR @ max (MBTU/MWh)	10.410	
Fuel Volatility	Y	
VOM (\$/MWh)	Fuel (\$/MBTU)	
	Dispatch (\$/MWh)	
2.50	3.32	37.11
2.57	3.35	37.45
2.67	3.38	37.81
2.81	3.57	39.75
2.88	3.72	41.45
2.71	3.69	40.31
2.75	3.97	43.01
2.77	4.13	45.71

Capital Cost was supplied in \$/kW-month -

The Proposal supplied monthly unit ratings with maximum summer rating of 600 MW;
We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating

Year 2002 capital cost is for 7 months

Year 2009 capital cost is for 5 months

Heat Rate supplied by Respondent B

Avg. Heat Rate @ Max 10,410
Avg. Heat Rate @ Min 18,610

No maintenance schedule supplied -

Availability 95% (Supplied value)
Forced Outage Rate 2% (Supplied value)
Scheduled Maintenance 3% 11 days in April; 3 weeks every sixth year

Respondent B CT Proposal (10 Year Pricing)												
Proposal Size (MW)	486	Base Case Size (MW)	600			Disc. Rate	8.47%					
Year	Capacity Costs (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	25.20	2,887,357	2,887,804	-0.74	25.84	1	25.84	25.84	10.00	(1.85)	8.35	34.29
2003	44.25	3,059,636	3,060,813	-1.96	46.21	0.9220	42.60	88.54	20.00	(3.19)	16.81	85.35
2004	45.02	3,234,907	3,234,378	8.88	44.14	0.8500	37.52	106.06	28.00	(4.67)	23.33	129.39
2005	45.81	3,542,591	3,541,517	1.79	44.02	0.7837	34.50	140.58	34.00	(6.06)	27.92	168.48
2006	46.61	3,738,644	3,736,879	1.61	45.00	0.7225	32.51	173.07	42.00	(7.38)	34.62	207.69
2007	47.43	3,997,015	3,994,489	4.22	43.21	0.6661	28.78	201.85	48.00	(8.48)	39.52	241.37
2008	48.26	4,242,135	4,238,975	3.80	44.88	0.6141	27.43	229.28	52.00	(9.40)	42.60	271.87
2009	49.10	4,498,493	4,494,543	6.08	43.02	0.5662	24.36	253.84	58.00	(10.06)	47.94	301.57
2010	49.96	4,520,869	4,517,965	4.84	45.12	0.5220	23.55	277.19	60.00	(10.48)	49.52	326.71
2011	50.83	4,702,102	4,697,583	7.58	43.25	0.4813	20.82	298.00	64.00	(10.67)	53.33	351.33
2012	21.78	4,997,471	5,022,858	-42.31	84.07	0.4437	28.43	326.43	68.00	(10.67)	57.33	383.76
2013		5,300,868	5,328,303	-42.39	42.39	0.4091	17.34	343.77	70.00	(10.67)	59.33	403.10
2014		5,612,784	5,640,400	-46.03	48.03	0.3772	17.36	361.13	74.00	(10.67)	63.33	424.48
2015		5,970,733	5,996,819	-43.14	43.14	0.3477	15.00	376.14	76.00	(10.67)	65.33	441.48
2016		6,341,877	6,367,893	-43.86	43.86	0.3208	14.06	390.20	78.00	(10.67)	65.33	455.52
2017		7,023,106	7,047,908	-41.34	41.34	0.2956	12.22	402.42	80.00	(10.67)	69.33	471.74
2018		7,571,537	7,598,682	-45.24	45.24	0.2725	12.33	414.74	80.00	(10.67)	69.33	484.07
2019		8,247,366	8,274,852	-45.81	45.81	0.2512	11.51	426.25	82.00	(10.67)	71.33	497.58
2020		8,859,275	8,885,519	-43.74	43.74	0.2316	10.13	438.38	82.00	(10.67)	71.33	507.71
2021		9,707,975	9,738,080	-46.84	46.84	0.2135	10.00	448.39	82.00	(10.67)	71.33	517.71
2022		10,448,507	10,478,064	-47.63	47.63	0.1989	8.38	465.78	82.00	(10.67)	71.33	527.09

HR @ max (MBTU/MWh)	10,410	
Fuel Volatility	Y	Dispatch
VOM (\$/MWh)	Fuel (\$/MBTU)	Dispatch (\$/MWh)
2.00	3.32	38.81
2.02	3.35	39.05
2.05	3.38	39.29
2.09	3.57	40.25
2.13	3.72	41.21
2.16	3.89	42.18
2.20	4.07	43.14
2.24	4.19	44.11
2.28	4.29	45.08
2.32	4.51	46.04
2.36	4.42	46.99

Capital Cost was supplied in \$/kW-month -

The Proposal supplied monthly unit ratings with maximum summer rating of 500 MW;
We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating

Year 2002 capital cost is for 7 months
Year 2012 capital cost is for 5 months

No specific heat rate information was supplied -
Avg. Heat Rate @ Max 10,410
Avg. Heat Rate @ Min 18,810

No maintenance schedule supplied -
Availability 95% (Supplied value)
Forced Outage Rate 2% (Supplied value)
Scheduled Maintenance 3% 11 days in April; 3 weeks every sixth year

Response B CT Proposal (20 Year Pricing)													
Proposal Size (MW)	488	Base Case Size (MW)	600			Disc. Rate	8.47%						
Year	Capacity Costs (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)	
							424.18					495.51	
2002	25.20	2,887,357	2,887,804	-0.74	25.94	1	25.94	25.94	10.00	(1.65)	8.35	34.29	
2003	44.25	3,058,838	3,060,814	-1.98	48.21	0.9220	42.60	68.54	20.00	(3.19)	16.81	85.35	
2004	45.02	3,234,807	3,234,378	0.88	44.14	0.8500	37.52	106.06	28.00	(4.67)	23.33	129.39	
2005	45.85	3,542,591	3,541,518	1.79	44.08	0.7837	34.53	140.58	34.00	(6.08)	27.92	168.52	
2006	46.84	3,738,644	3,735,878	1.81	45.03	0.7225	32.54	173.13	42.00	(7.38)	34.82	207.75	
2007	47.47	3,997,016	3,994,481	4.22	43.24	0.6661	28.81	201.93	46.00	(8.48)	39.52	241.45	
2008	48.29	4,242,135	4,239,973	3.80	44.68	0.6141	27.44	229.37	52.00	(9.40)	42.60	271.97	
2009	49.10	4,498,483	4,494,844	8.08	43.02	0.5682	24.36	253.73	58.00	(10.06)	47.94	301.67	
2010	49.96	4,820,889	4,817,908	4.84	45.12	0.5220	23.55	277.29	60.00	(10.48)	49.52	326.81	
2011	50.83	4,702,102	4,697,555	7.58	43.28	0.4813	20.82	298.10	64.00	(10.67)	53.33	351.43	
2012	51.72	4,997,471	4,990,447	11.71	40.02	0.4437	17.79	315.86	68.00	(10.67)	57.33	373.19	
2013	52.68	5,300,968	5,289,525	18.90	33.77	0.4061	13.82	329.68	70.00	(10.67)	59.33	389.00	
2014	53.81	5,812,784	5,802,549	17.06	36.55	0.3772	13.78	343.46	74.00	(10.67)	63.33	406.79	
2015	54.56	5,970,733	5,957,433	22.17	32.39	0.3477	11.28	354.73	76.00	(10.67)	65.33	420.05	
2016	55.49	6,341,677	6,328,921	21.26	34.23	0.3206	10.97	366.70	76.00	(10.67)	65.33	431.03	
2017	56.44	7,023,105	7,009,387	22.90	33.54	0.2956	9.91	375.61	80.00	(10.67)	69.33	444.94	
2018	57.44	7,571,537	7,557,584	23.26	34.18	0.2725	9.31	384.93	80.00	(10.67)	69.33	454.25	
2019	58.44	8,247,368	8,232,743	24.37	34.07	0.2512	8.56	393.49	82.00	(10.67)	71.33	464.81	
2020	58.44	8,859,275	8,842,715	27.80	31.84	0.2316	7.36	400.86	82.00	(10.67)	71.33	472.19	
2021	60.52	9,707,975	9,691,540	27.39	33.12	0.2138	7.07	407.93	82.00	(10.67)	71.33	479.28	
2022	25.91	10,449,507	10,483,469	-56.60	82.52	0.1989	19.25	424.18	82.00	(10.67)	71.33	495.51	

HR @ max (MBTU/MWh)	10,410	
Fuel Volatility	Y	Dispatch I
VOM (\$/MWh)	Fuel (\$/MBTU)	Dispatch I (\$/MWh)
2.00	3.32	36.89
2.02	3.35	36.93
2.06	3.38	37.29
2.09	3.57	39.22
2.13	3.72	40.89
2.18	3.89	42.66
2.20	4.07	44.38
2.24	4.13	45.19
2.28	4.20	45.98
2.32	4.31	47.17
2.36	4.42	48.39
2.40	4.54	49.66
2.44	4.68	50.98
2.49	4.79	52.32
2.53	4.92	53.70
2.57	5.19	55.19
2.62	5.48	56.88
2.67	5.79	58.63
2.71	6.00	60.17
2.76	6.22	61.81
2.79	6.43	63.39

Capital Cost was supplied in \$/kW-month -

The Proposal supplied monthly unit ratings with maximum summer rating of 500 MW;

We multiplied the monthly ratings by the monthly capital cost and then divided by the maximum summer rating

Year 2002 capital cost is for 7 months

Year 2022 capital cost is for 5 months

No specific heat rate information was supplied -

Avg. Heat Rate @ Max 10,410

Avg. Heat Rate @ Min 18,610

No maintenance schedule supplied -

Availability 95% (Supplied value)

Forced Outage Rate 2% (Supplied value)

Scheduled Maintenance 3% 11 days in April; 3 weeks every sixth year

Respondent C

Proposal Size (MW)	Base Case Size (MW)				Disc. Rate										Gen. & Transm.			
532	600				8.47%													
Year	Capacity Costs (\$/kW-Yr)	Fixed O&M (\$/kW-Yr)	Fuel Reserv. (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)			
2002	37.08	4.57	18.14	59.79	2,867,357	2,968,864	34.18	28.63	1.0000	28.63	28.63	30.45	(27.86)	2.59	28.22			
2003	83.58	8.07	32.81	124.46	3,059,838	3,038,049	35.98	88.47	0.9220	83.12	88.78	57.71	(54.09)	3.61	83.37			
2004	63.58	8.31	32.81	104.70	3,234,907	3,212,409	37.50	67.19	0.8500	57.11	146.87	82.52	(80.20)	2.32	146.18			
2005	83.58	8.56	32.81	124.95	3,542,581	3,521,701	34.82	79.12	0.7837	54.95	201.82	105.28	(105.33)	-0.07	201.75			
2006	83.58	8.82	32.81	125.21	3,738,844	3,718,780	29.81	73.38	0.7225	54.47	258.38	127.44	(129.31)	-1.87	254.42			
2007	28.48	3.78	13.87	46.13	3,987,015	4,018,482	-35.78	78.88	0.6681	63.08	308.38	148.31	(150.07)	-1.76	307.80			
2008					4,242,135	4,268,718	-40.97	68.87	0.6141	25.18	334.83	184.29	(187.27)	-2.98	331.54			
2009					4,488,483	4,523,328	-41.39	41.38	0.5682	23.43	367.88	188.23	(179.29)	-11.05	346.90			
2010					4,520,869	4,544,432	-39.27	38.27	0.5220	20.50	378.48	188.17	(188.78)	-0.58	377.87			
2011					4,702,102	4,726,035	-39.89	38.88	0.4813	19.20	397.88	167.87	(190.24)	-22.37	375.08			
2012					4,987,471	5,020,588	-38.48	38.48	0.4437	17.08	414.73	169.17	(190.24)	-21.07	383.67			
2013					5,300,888	5,323,921	-38.42	38.42	0.4081	15.72	430.48	188.98	(190.24)	-11.26	408.20			
2014					5,812,784	5,838,018	-42.05	42.05	0.3772	15.88	448.31	171.05	(190.24)	-19.19	427.12			
2015					5,970,733	5,994,235	-38.17	38.17	0.3477	13.82	459.93	189.92	(190.24)	-10.32	439.62			
2016					6,341,677	6,385,810	-38.89	38.89	0.3204	12.78	473.72	189.55	(190.24)	-10.69	452.03			
2017					7,023,105	7,045,525	-37.37	37.37	0.2958	11.04	483.77	171.82	(190.24)	-18.43	463.14			
2018					7,571,537	7,598,298	-41.27	41.27	0.2725	11.25	495.81	189.17	(190.24)	-11.07	473.84			
2019					8,247,388	8,272,489	-41.84	41.84	0.2512	10.51	505.92	189.58	(190.24)	-10.66	484.83			
2020					8,859,275	8,883,135	-39.77	39.77	0.2318	9.21	514.73	171.05	(190.24)	-19.19	493.54			
2021					9,707,975	9,733,898	-42.87	42.87	0.2135	8.15	523.88	189.92	(190.24)	-10.32	503.57			
2022					10,448,507	10,478,701	-43.89	43.89	0.1989	8.00	539.48	188.17	(190.24)	-12.07	511.41			

HR @ max (MBTU/MWh)	Y Fuel (\$/MWh)	Dispatch (\$/MWh)
1.728	2.48	
1.728	2.48	
1.831	2.88	
1.888	2.88	
1.943	2.84	
2.001	2.81	

Capital Cost, Fixed O&M, and Fuel Fixed Costs were supplied in \$/kW-month -
 Year 2002 values were multiplied by 7
 Years 2003-2008 values were multiplied by 12
 Year 2007 values were multiplied by 8

Using the supplied heat rate table, we modeled the following:
 Maximum Capacity 800 MW
 Avg. Heat Rate @ Max 7,054
 Minimum Capacity 120 MW
 Avg. Heat Rate @ Min 7,078

13

Respondent C with Fixed and Levelized Energy Price															
Proposal Size (MW)	Base Case				Disc. Rate 8.47%										
532	800														
Year	Capacity Costs (\$/kW-Yr)	Fixed O&M (\$/kW-Yr)	Fuel Reserv. (\$/kW-Yr)	Total Fixed Cost (\$/kW-Yr)	Base Case Utility Cost (000's \$)	Proposal Utility Cost (000's \$)	Energy Savings & Exp. Plan (\$/kW-Yr)	Total Cost (\$/kW-Yr)	PV Factor	NPV of Total Gen. Cost (\$/kW-Yr)	Generation Total Cost Accum. PV (\$/kW-Yr)	Transm. Grid & Conn. Accum. PV (\$/kW-Yr)	Transm. Losses Accum. PV (\$/kW-Yr)	Transm. Total Cost Accum. PV (\$/kW-Yr)	Gen. & Transm. Total Cost Accum. PV (\$/kW-Yr)
2002	37.08	4.57	19.14	60.79	2,887,357	2,880,898	10.78	60.01	1.0000	60.01	50.01	30.45	(27.86)	2.59	62.60
2003	63.56	8.07	32.81	104.44	3,059,636	3,054,825	7.85	96.59	0.9220	88.05	139.08	57.71	(54.09)	3.61	142.87
2004	63.56	8.31	32.81	104.68	3,234,907	3,229,040	8.78	94.91	0.8500	80.67	219.73	82.52	(80.20)	2.32	222.05
2005	63.56	8.56	32.81	104.89	3,542,591	3,536,845	9.91	95.03	0.7837	74.47	294.20	105.28	(105.33)	-0.07	294.13
2006	63.56	8.82	32.81	105.19	3,736,644	3,729,800	11.74	93.45	0.7225	67.52	361.72	127.44	(129.31)	-1.87	359.85
2007	26.48	3.78	13.87	43.94	3,997,015	4,020,471	-39.98	83.03	0.6681	55.31	417.03	148.31	(150.07)	-1.76	415.28
2008					4,242,135	4,268,417	-40.47	40.47	0.6141	24.85	441.88	164.29	(167.27)	-2.98	436.90
2009					4,498,483	4,523,025	-40.88	40.88	0.5682	23.15	465.03	168.23	(179.25)	-11.05	453.98
2010					4,520,898	4,544,131	-38.77	38.77	0.5220	20.24	465.27	168.17	(186.78)	-20.60	464.88
2011					4,702,182	4,725,733	-38.39	38.39	0.4813	18.98	504.23	167.87	(190.24)	-22.57	481.98
2012					4,997,471	5,020,284	-37.98	37.98	0.4437	18.88	521.08	168.17	(190.24)	-21.07	500.01
2013					5,300,888	5,323,619	-37.92	37.92	0.4081	15.51	538.58	168.08	(190.24)	-21.28	515.34
2014					5,612,784	5,637,715	-41.55	41.55	0.3772	15.87	552.27	171.05	(190.24)	-19.19	533.08
2015					5,670,733	5,693,834	-38.97	38.97	0.3477	13.45	565.71	169.92	(190.24)	-20.32	545.40
2016					5,341,877	5,365,308	-39.38	39.38	0.3208	12.83	578.34	169.55	(190.24)	-20.69	557.85
2017					7,023,105	7,045,223	-38.88	38.88	0.2958	10.80	588.23	171.62	(190.24)	-18.63	570.61
2018					7,571,537	7,595,997	-40.77	40.77	0.2725	11.11	600.34	169.17	(190.24)	-21.07	579.27
2019					8,247,368	8,272,187	-41.34	41.34	0.2512	10.38	610.73	169.55	(190.24)	-20.69	590.03
2020					8,859,275	8,882,834	-38.28	38.28	0.2318	8.08	619.82	171.05	(190.24)	-19.19	600.83
2021					9,707,878	9,733,396	-42.37	42.37	0.2136	6.05	628.87	169.92	(190.24)	-20.32	608.55
2022					10,448,882	10,475,389	-43.15	43.15	0.1988	5.50	637.37	169.17	(190.24)	-21.07	616.39

HR @ max (MBTU/AWh)	Fuel Volatility VOM (\$/AWh)	N Fuel (\$/MBTU)	Dispatch Price (\$/AWh)
			631.48
			631.48
			631.48
			631.48
			631.48

Capital Cost, Fixed O&M, and Fuel Fixed Costs were supplied in \$/kW-month.
 Year 2002 values were multiplied by 7
 Years 2003-2008 values were multiplied by 12
 Year 2007 values were multiplied by 6

Accumulated PV (2002\$) of Generation and Transmission Total Cost

